

Application No. 10/064,756  
Attorney Docket No. 125691-2 (13591US02)

**REMARKS**

The present application includes claims 1-33. Claims 1-33 were rejected by the Examiner. By this Amendment, claim 14 has been amended.

Claims 1-33 were provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-11, 19-21, and 23-29 of co-pending Application No. 10/064,757.

Claims 1-33 were rejected under 35 U.S.C. §102(e) as being anticipated by Eisenberg et al. (U.S. Patent App. Pub. No. 2003/0128801).

The Applicant first turns to the obviousness-type double patenting rejection of claims 1-33 with respect to Application No. 10/064,757. The Applicant notes that Application No. 10/064,757 has been abandoned. Therefore, no claims have been patented in Application No. 10/064,757, and the Examiner's rejection should be withdrawn.

The Applicant now turns to the rejection of claims 1-33 under 35 U.S.C. §102(e) as being anticipated by Eisenberg. Eisenberg relates to a multi-modality imaging system (See, e.g., Abstract and paras. [0005]-[0006]). More specifically, Eisenberg relates to a system and method for fusing image data from multiple modalities (See, e.g., Abstract and paras. [0005]-[0006]). Eisenberg discusses triggering on a cardiac cycle, such as from an EKG output (See paras. [0065], [0106], [0116]-[0121]). Eisenberg mentions

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repeated triggered at a regular interval in one or more cardiac cycles (See [0117]–[0121] and FIG. 33). However, at no point does Eisenberg mention definition of a trigger array with which to trigger image scans at a plurality of points. An array includes a plurality of elements, such as a plurality of trigger points, as opposed to a value, such as an interval, which, although it may be used repeatedly, is only a single element.

Rather than using an array, Eisenberg defines a single repeated interval within one or more cardiac cycles upon which to trigger or gate a scan. The single interval is defined based on an EKG reading and repeated regularly to obtain the desired images. This is not a trigger array. That is, Eisenberg describes selecting a single trigger point, not multiple trigger arrays. Additionally, Eisenberg describes initiating multiple CT scans based on a single fixed trigger point, not multiple independently configurable trigger arrays. Furthermore, mention of multiple trigger arrays, let alone multiple independently configurable trigger arrays, cannot be found anywhere in Eisenberg. Such a limitation is recited in independent claims 1, 14, and 25 of the present application.

Consequently, Eisenberg does not teach or disclose multiple independently configurable trigger arrays. Rather, Eisenberg triggers at the same trigger point in a heartbeat or respiration waveform over multiple CT scans.

Thus, the EKG-based interval used to gate or clock image acquisition in the multi-modality fusion system of Eisenberg does not teach or suggest a method for cine angiography including selecting at least one independently configurable trigger array including a plurality of trigger points, initiating at least one CT scan of a patient based on

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the at least one trigger array, selecting at least one additional independently configurable trigger array including an additional plurality of trigger points, initiating at least one additional CT scan of the patient based on the at least one additional trigger array, and performing the at least two CT scans of the patient during two or more cardiac cycles to construct a cine angiography loop. The disclosure of Eisenberg simply cannot anticipate the subject matter of the pending claims.

Therefore, the Applicant respectfully submits that independent claims 1, 14, and 25 and corresponding dependent claims 2-13, 15-24, and 26-33 are in condition for allowance and respectfully request an action to that effect.

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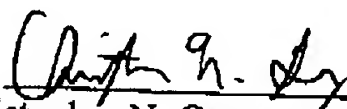
**CONCLUSION**

If the Examiner has any questions or the Applicant can be of any assistance, the Examiner is invited and encouraged to contact the Applicant at the number below.

The Commissioner is authorized to charge any necessary fees or credit any overpayment to the Deposit Account of GTC, Account No. 070845.

Respectfully submitted,

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Christopher N. George  
Registration No. 51,728

McANDREWS, HELD & MALLOY, LTD.  
500 West Madison Street, 34th Floor  
Chicago, IL 60661

Telephone: (312) 775-8000  
Facsimile: (312) 775-8100